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(54) Title: **HEAT STABILIZED MOULDING COMPOSITION**

(57) Abstract: Process for preparing a moulding composition comprising melt-mixing of a thermoplastic polymer, a non-metallic inorganic filler and elementary iron having a weight average particle size of at most 450 µm to form a composition wherein the thermoplastic polymer forms a continuous phase. The invention further relates to a composition obtainable with the inventive process, the use thereof for making moulded parts, as well as to moulded parts and the use thereof in applications wherein the moulded part is exposed to elevated temperature.

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